Modem User's Guide

Motorola A835 with HP iPAQ (PPC 2003) Connected Using Bluetooth

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About this Guide

This guide describes how to install and configure a Bluetooth connection between a Motorola A835 mobile and an HP iPAQ PDA running the Microsoft ® Pocket PC v4 (PPC 2003) operating system.

It also describes how to then connect to the Internet from your PDA using your 3 mobile as a modem.

This guide shows screens for the HP iPAQ h2210. The exact screens displayed depend on the iPAQ model and installed firmware version. For brevity, where these instructions refer to "PDA", this means any HP iPAQ PDA running PPC 2003 unless stated otherwise.

Before you begin

Make sure you have:

- A charged Motorola A835 mobile
- An active 3G USIM card inserted into the Motorola A835 mobile
- Turned the mobile off and then on again
- The mobile is in Video Zone or Messaging Zone. In Video Zone the mobile network indicator displays the 3G symbol; in Messaging Zone the network indicator displays the 2.5G symbol
- Performed a soft reset on the PDA

When connected to the Internet

When your PDA is connected to the Internet using your mobile as a modem:

- You can make and receive voice and video calls on your mobile if you are not downloading or uploading data
- If you are downloading or uploading data an incoming voice call will be diverted to your voicemail if your divert when busy setting is turned-on; otherwise, the incoming caller will hear an engaged tone
- Video calls will not connect if you are downloading or uploading data and callers will see an engaged message

Bluetooth Connection

This section describes how to install and configure a connection between a Motorola A835 mobile and a PDA using Bluetooth. The steps include setting-up a connection to the Internet.

Refer to the relevant product information or contact the manufacturer for any queries or issues with your Bluetooth hardware or software.

Your PDA should not be connected to any other device when following this process.

Quick Setup

If you are familiar with setting-up connections on the PPC 2003 operating system, follow these quick steps. Otherwise, work through the Detailed Setup on page 4.

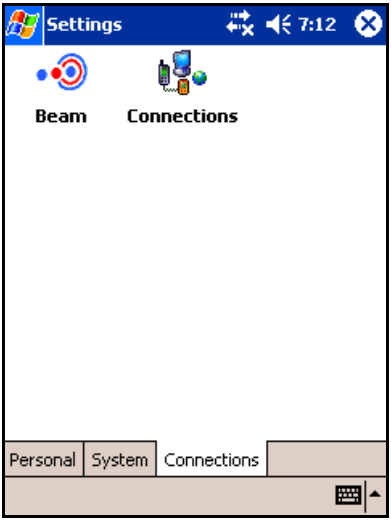
1. On your PDA, tap on **Start** > **Settings** > **Connections** tab > **Connections** icon.
2. Under **My ISP**, tap on **Add a new modem connection**.
3. Make the connection name **3** and select the **Bluetooth Dialup Modem**.
4. Enter the dialled number string: ***99***1#**
5. Leave the user name, password and domain fields **Blank**.
6. Select **Advanced** and enter the extra dial-string: **+cgatt=0**
7. To pair Bluetooth on your PDA, tap on **Start**, then select **Bluetooth Manager** > **New** > **Connect** then run the **Partner with a cell phone** wizard. Select to use this phone as default connection to the Internet.
8. When connecting your PDA to the 3 network for the first time a username and password screen appears, leave both fields **Blank** and **Tick** to save your password. The connection can now be established.
9. You have completed the set-up; you can now browse the Internet using Internet Explorer on your PDA.

Detailed Setup

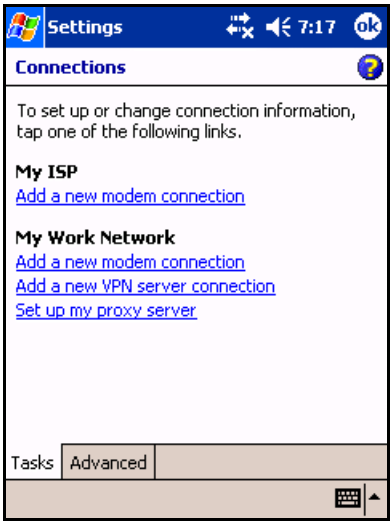
B1. Creating the Dial-up Connection

1. Tap on the **Start Menu**. Then tap on **Settings.**

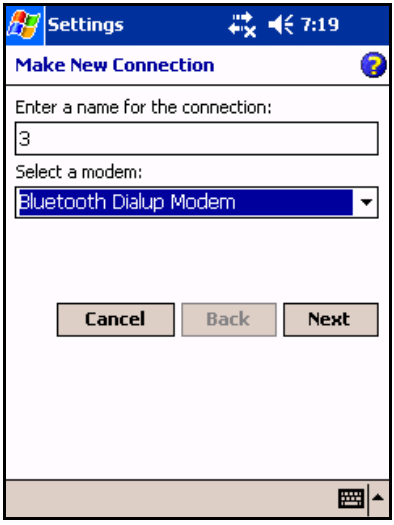
2. Tap the **Connections** tab at the bottom of the screen then tap on the **Connections** icon.



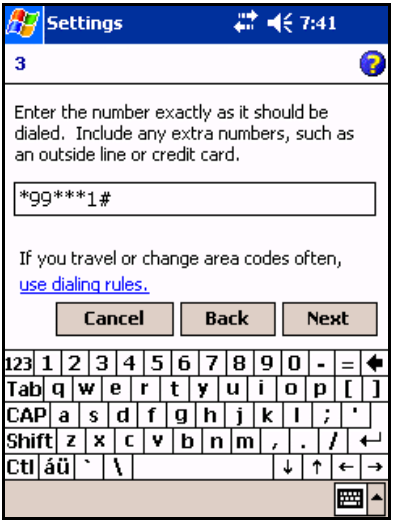
3. Under **My ISP** tap on **Add a new modem connection.** This screen may vary depending on whether you have created a connection previously.



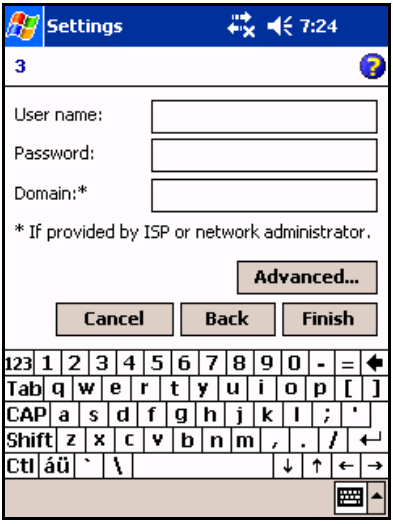
4. Enter **3** for the connection name and select the **Bluetooth Dialup Modem** as displayed below then tap **Next.**



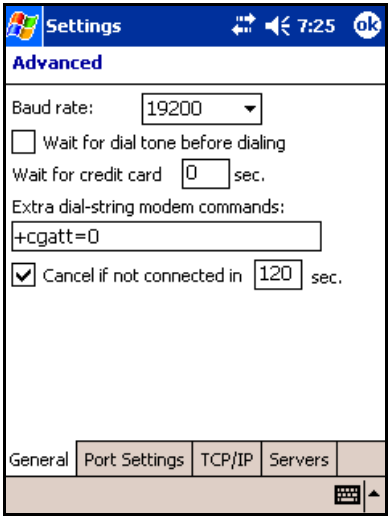
5. For the Motorola A835 the dialled number required is ***99***1#**, once entered tap **Next**.



6. Leave all fields **Blank** as no user name and password is required. Now tap the **Advanced** tab.



7. Enter **+cgatt=0** in the extra dial string box. You may uncheck **Wait for dial tone before dialling** although this does not effect the connection. Now tap **ok** (in the top right-hand corner of your PDA's screen), then **Finish**, then **ok**, then close **Settings.**

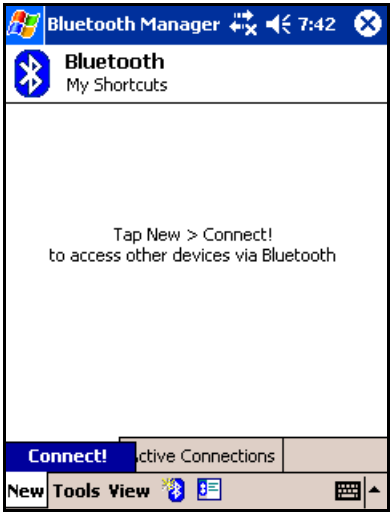


B2. Creating the Bluetooth Connection

The next step in the connection process is to establish the Bluetooth connection with your mobile.

1. On your PDA, tap the small **Bluetooth** icon at the bottom right of your screen and select **Bluetooth Manager**.

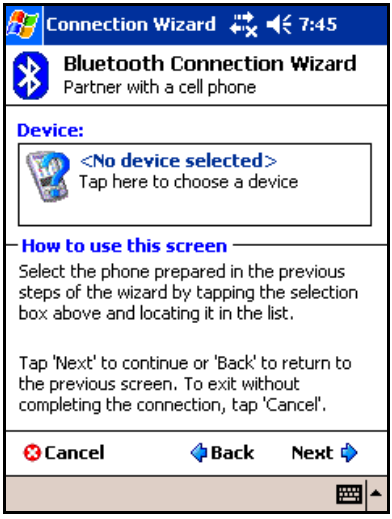
2. At the bottom of the screen tap **New** and then **Connect!**



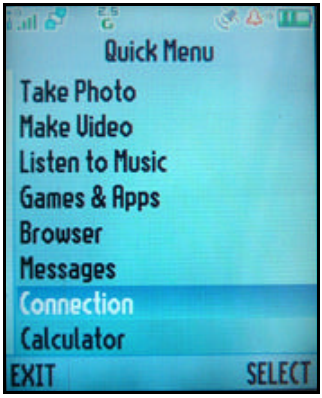
3. Select **Partner with a cell phone** then tap **Next** 3 times.

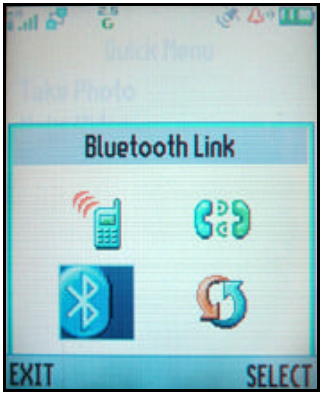
Connection Wizard 7:41
Bluetooth
Connection Wizard
Connect to the Internet
Access the Internet using a network access point, a cell phone or another connected Bluetooth device.
Join a personal network
Connect two or more Bluetooth devices to share files, collaborate or play multiplayer games.
Partner with a cell phone
Establish a partnership with a cell phone and setup the Bluetooth services it offers.
ActiveSync via Bluetooth
Cancel
Next

4. You will now be at this screen of the Connection Wizard.

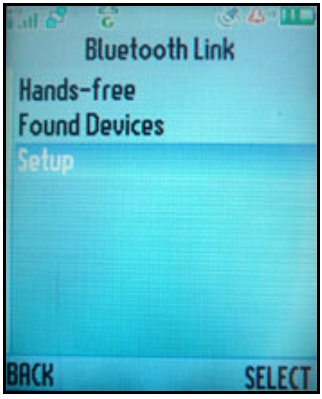

Connection Wizard 7:45
Bluetooth Connection Wizard
Partner with a cell phone
Device:
<No device selected>
Tap here to choose a device
How to use this screen
Select the phone prepared in the previous steps of the wizard by tapping the selection box above and locating it in the list.
Tap 'Next' to continue or 'Back' to return to the previous screen. To exit without completing the connection, tap 'Cancel'.
Cancel
Back
Next

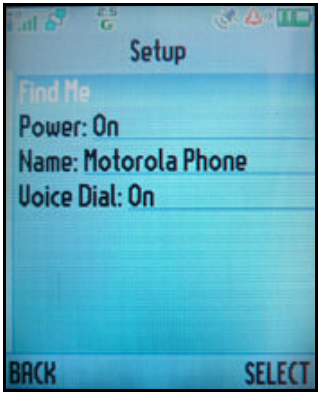
5. On your mobile press **Fast Menu**, select **Connection** and then select **Bluetooth Link**.



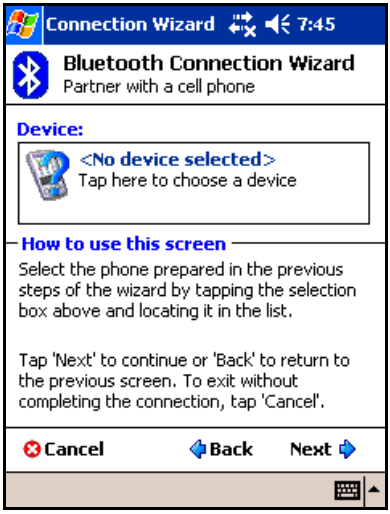


6. Select **Setup**, ensure **Power** is switched **On** then select **Find Me**. This will allow your mobile to be discovered by your PDA for a period of 60 seconds**.**

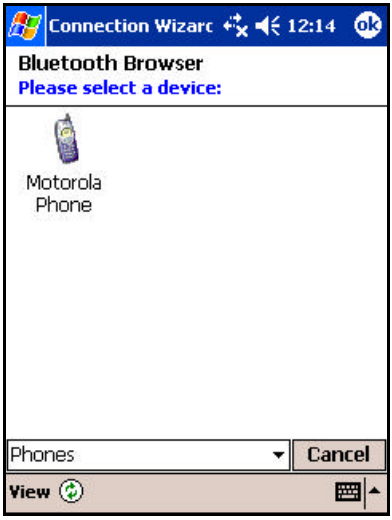




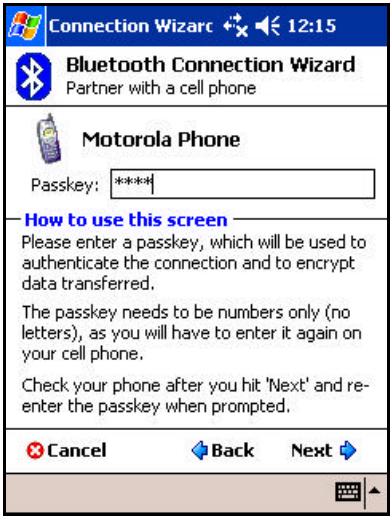
7. On your PDA, in the **Device** box tap on **<No device selected>** while your mobile is discoverable.


Connection Wizard 7:45
Bluetooth Connection Wizard
Partner with a cell phone
Device:
<No device selected>
Tap here to choose a device
How to use this screen
Select the phone prepared in the previous steps of the wizard by tapping the selection box above and locating it in the list.
Tap 'Next' to continue or 'Back' to return to the previous screen. To exit without completing the connection, tap 'Cancel'.
Cancel
Back
Next

8. Your PDA will now search for your mobile. Your mobile's name will then be displayed on your PDA.



9. Tap on the mobile phone icon, you will be prompted to enter a passkey. Choose a 4 digit number, this is required only once to create bonding between your PDA and the mobile that you want to connect to. There may be other mobiles operating Bluetooth in the vicinity, this passkey ensures that you only connect to your own mobile.

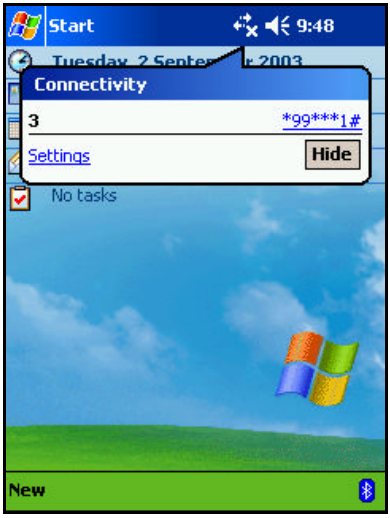

Connection Wizard
12:15
Bluetooth Connection Wizard
Partner with a cell phone
Motorola Phone
Passkey:
****
How to use this screen
Please enter a passkey, which will be used to authenticate the connection and to encrypt data transferred.
The passkey needs to be numbers only (no letters), as you will have to enter it again on your cell phone.
Check your phone after you hit 'Next' and re-enter the passkey when prompted.
Cancel
Back
Next

After entering a passkey on your PDA tap **Next**; this may be hidden behind the PDA's on-screen keyboard. To minimise the keyboard, tap on the keyboard icon in the lower right-hand corner of the screen.

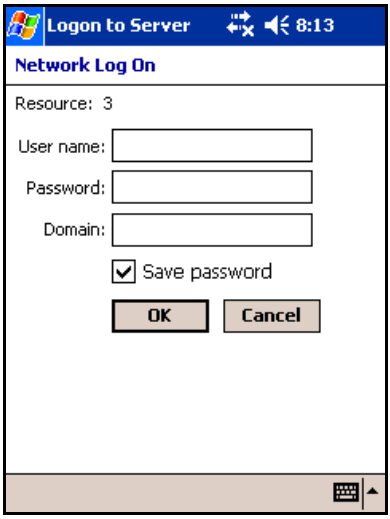
Your mobile will now prompt if you want it to bond with the PDA, select **YES**. You will then be prompted for the passkey to accept the Bluetooth connection. Enter the same passkey as you entered in your PDA and press **OK**; the two devices are now Bluetooth bonded.

10. On your PDA, **tick** the box for **Use this phone as default connection to the Internet** then select the **3** connection, tap **Next**, tap **Finish** then close the Bluetooth Connection Wizard

11. To connect your PDA to the Internet via your mobile, tap on the **Connection** icon located next to the clock and speaker icon at the top of the screen, then in the **Connectivity** dialogue box tap on the **3** connection link ***99***1#**.



12. The first time your PDA connects to the Internet you will be prompted for a username, password and domain, these fields should be left **blank**. **Tick** the save password box and tap **OK.**



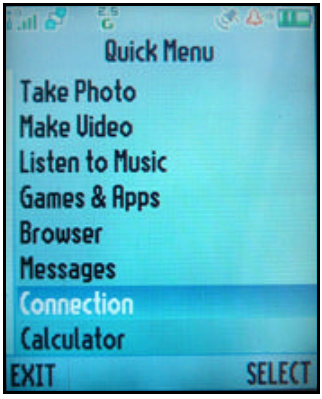
13. A connection to the Internet will now be established. You can now browse the Internet using Internet Explorer on your PDA.

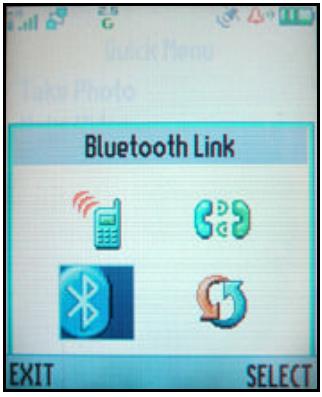
Operation

B3. Making a Dial-up Connection

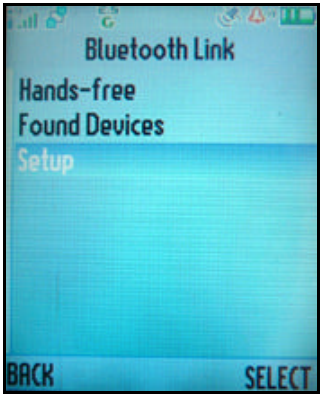
If you have previously completed the Setup process, for day-to day operation you need only follow these steps. If you already have Bluetooth turned-on on your PDA and mobile go direct to step 4 in the process below.

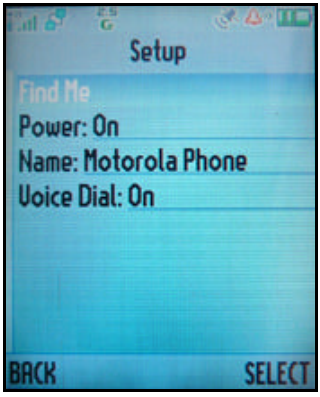
1. If Bluetooth is not turned-on on your mobile, press **Fast Menu**, select **Connection** and then select **Bluetooth Link**.





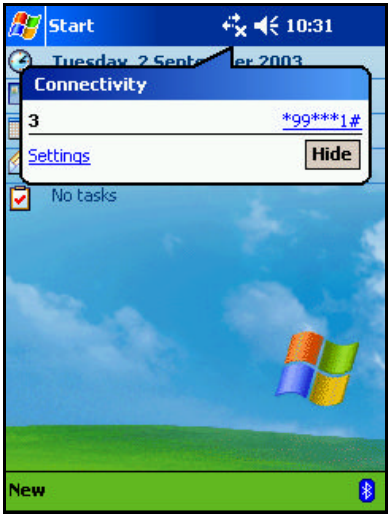
2. Select **Setup**, select **Power** and change to **On**.





3. If Bluetooth is not turned-on on your PDA, tap the small **Bluetooth** icon at the bottom right of your screen and select **Turn Bluetooth ON**.

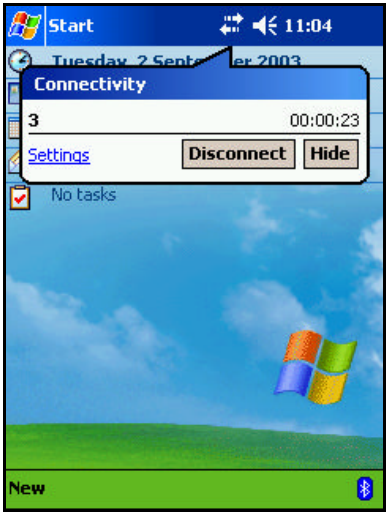
4. To connect your PDA to the Internet via your mobile, tap on the **Connection** icon located next to the clock and speaker icon at the top of the screen, then in the **Connectivity** dialogue box tap on the **3** connection link ***99***1#**.



5. A connection to the Internet will now be established. You can now browse the Internet using Internet Explorer on your PDA.

B4. Terminating a Dial-up Connection

1. To terminate the Internet connection on your PDA simply tap the **Connection** icon located next to the clock and speaker icon at the top of the screen and then in the **Connectivity** dialogue box tap **Disconnect**.



If you frequently connect your PDA to the Internet using your mobile (for example more than once per day) it is recommended that you leave Bluetooth turned-on on your PDA and your mobile. This makes connection much easier and quicker – all you need do is activate and terminate the connection on your PDA.

If you do not frequently connect your PDA to the Internet using your mobile you may choose to turn-off Bluetooth on your PDA and mobile to conserve battery power, see below.

2. To turn-off Bluetooth on your PDA, tap the small **Bluetooth** icon at the bottom right of your screen and select **Turn Bluetooth OFF**.

3. To turn-off Bluetooth on your mobile press **Quick Menu**, select **Connection** then select **Bluetooth Link**. Select **Setup**, select **Power** and change to **Off**.

Troubleshooting

If an error occurs during setup or operation check the following options:

- If Bluetooth works normally until you try to dial out, or your PDA displays connecting for a long period of time. Perform a soft reset and turn your mobile off then on and try connecting again.
- If your PDA is unable to detect your mobile or is unable to create a Bluetooth connection. Perform a soft reset and turn your mobile off then on and try connecting again.
- If there is only one bar of battery displayed on your mobile, it will be difficult to make a connection. Your mobile needs to be charged as Bluetooth connections may consume battery power very quickly.
- If there is no 3G / 2.5G symbol on the top of your mobile, it may be out of coverage, you will not be able to establish a connection to the 3 Network.
- In Internet Explorer, if the "Page you are looking for cannot be found" error is displayed, switch your mobile off and on, then try connecting again.
- If the message, "To connect to either the Internet or work set up a new connection in Settings" is displayed on your PDA after tapping on the connection icon when trying to establish a connection follow these steps. Tap **Start** > **Settings** > **Connections** tab > **Connections** icon > **Advance** > **Select Networks**, in the top box select **Bluetooth Setting**, then tap **ok** twice and close **Settings**; the connection should now work as before.

If the problem remains unresolved, call **3 Care** on:

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